Fig. 1

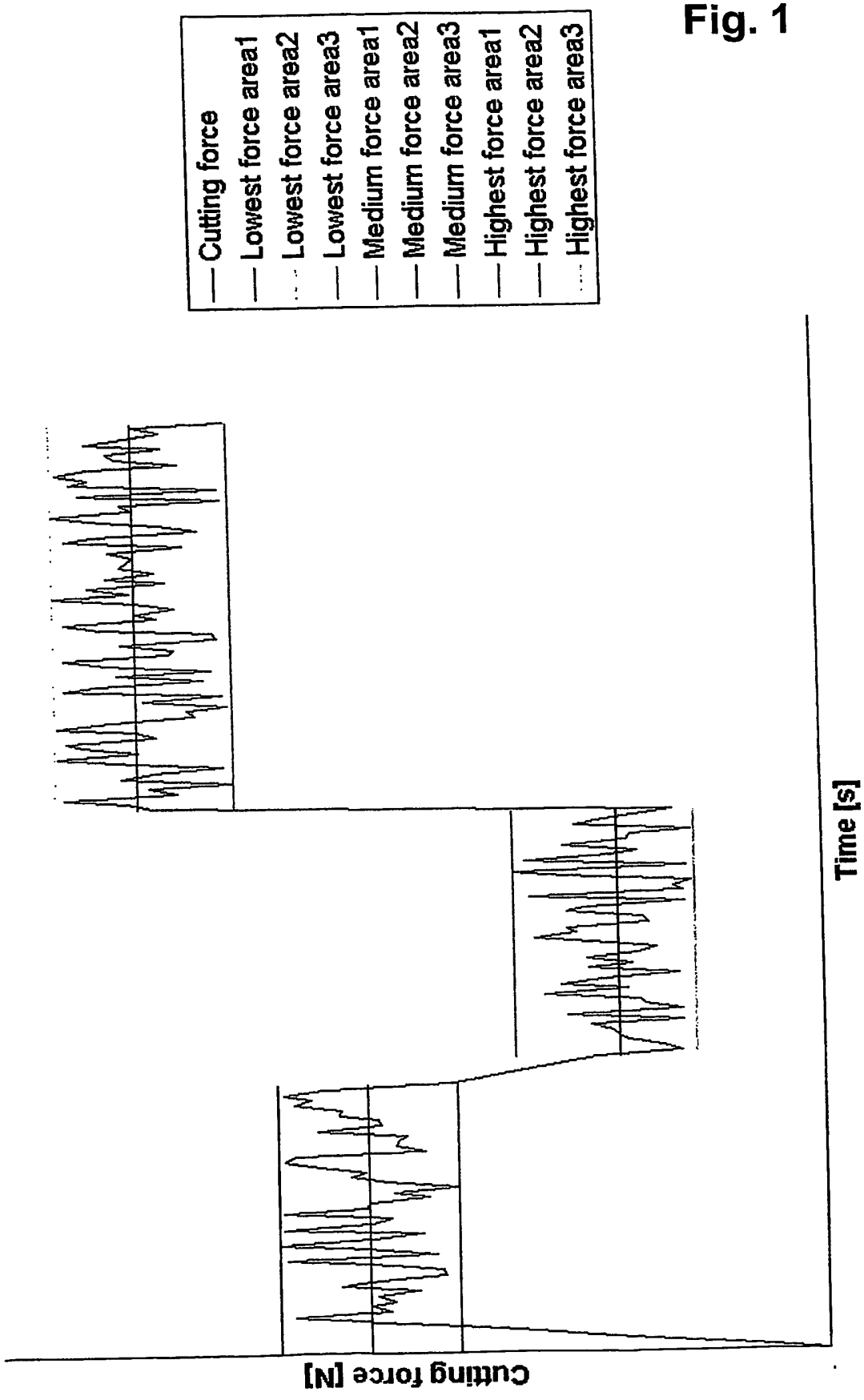
Cutting force
Lowest force area1
Lowest force area2
Lowest force area3
Medium force area1
Medium force area2
Medium force area3
Highest force area1
Highest force area2
Highest force area3
Cutting force [N]
Time [s]

Fig. 2a

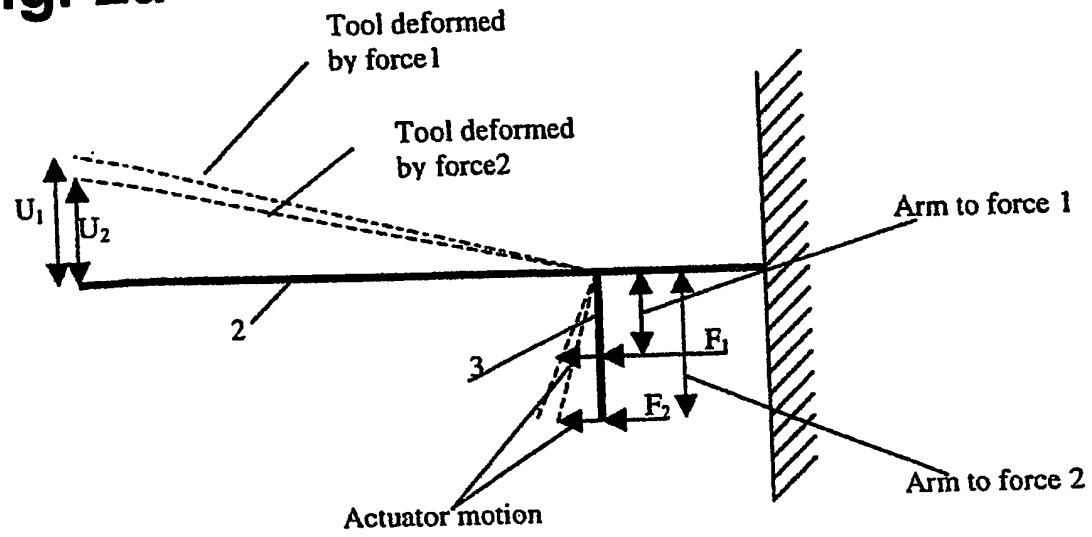
Tool deformed by force1
Tool deformed by force2
U1
U2
Arm to force 1
2
3
F1
F2
Arm to force 2
Actuator motion

Fig. 2b

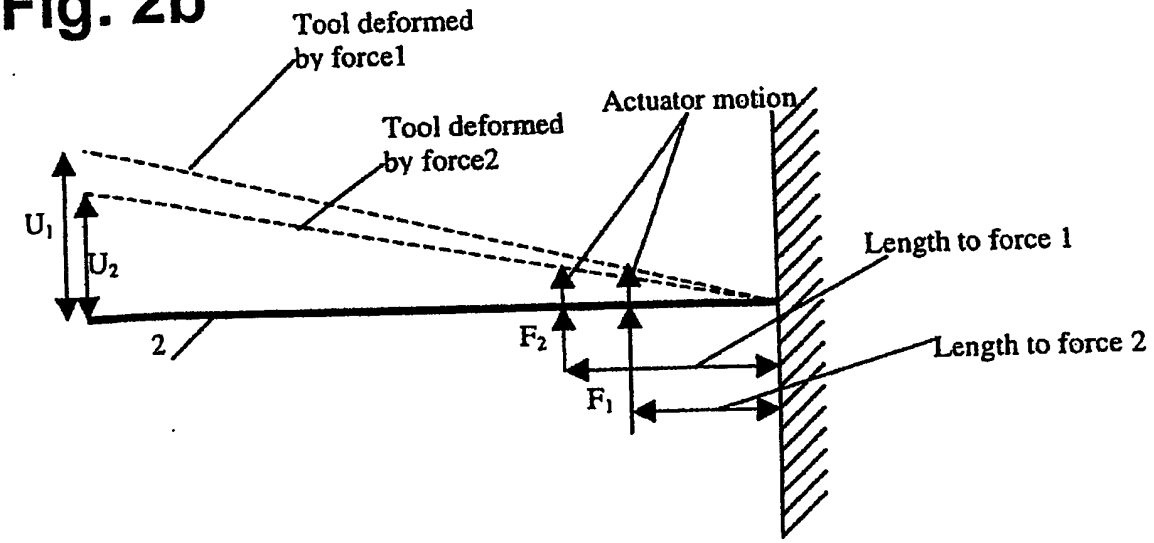
Tool deformed by force1
Actuator motion
Tool deformed by force2
U1
U2
Length to force 1
2
F2
Length to force 2
F1

Fig. 3

Example of actuator locations

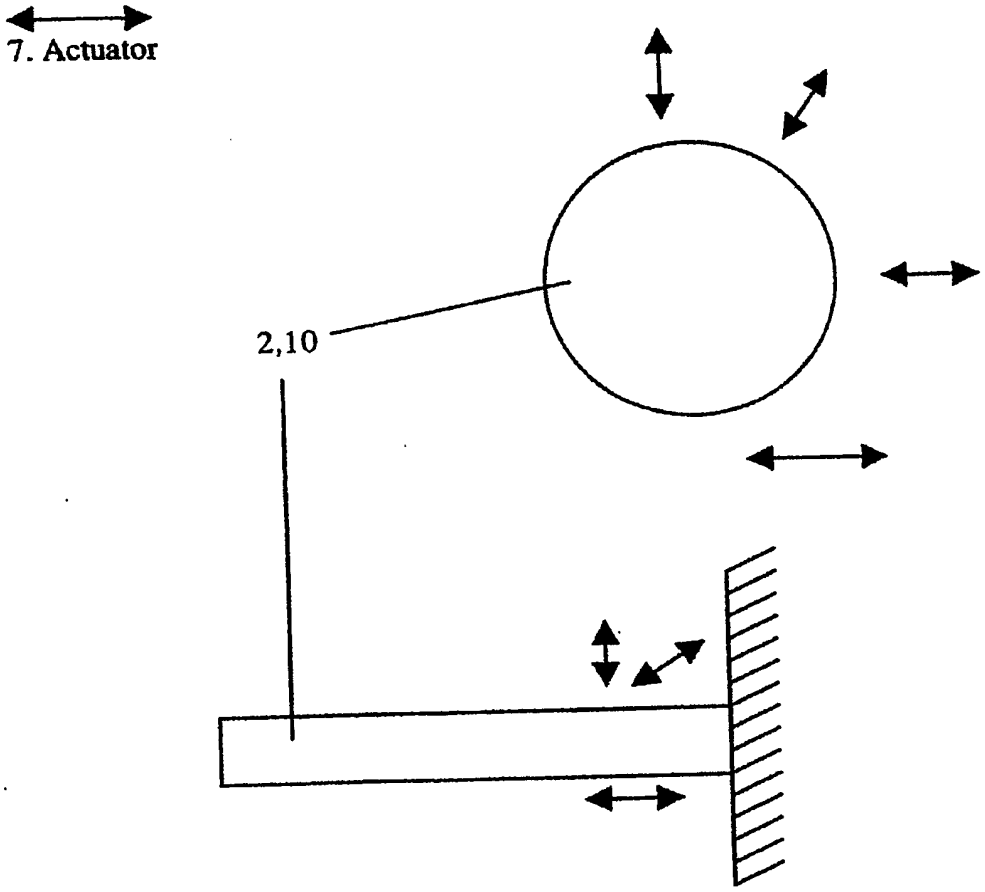

Fig. 4

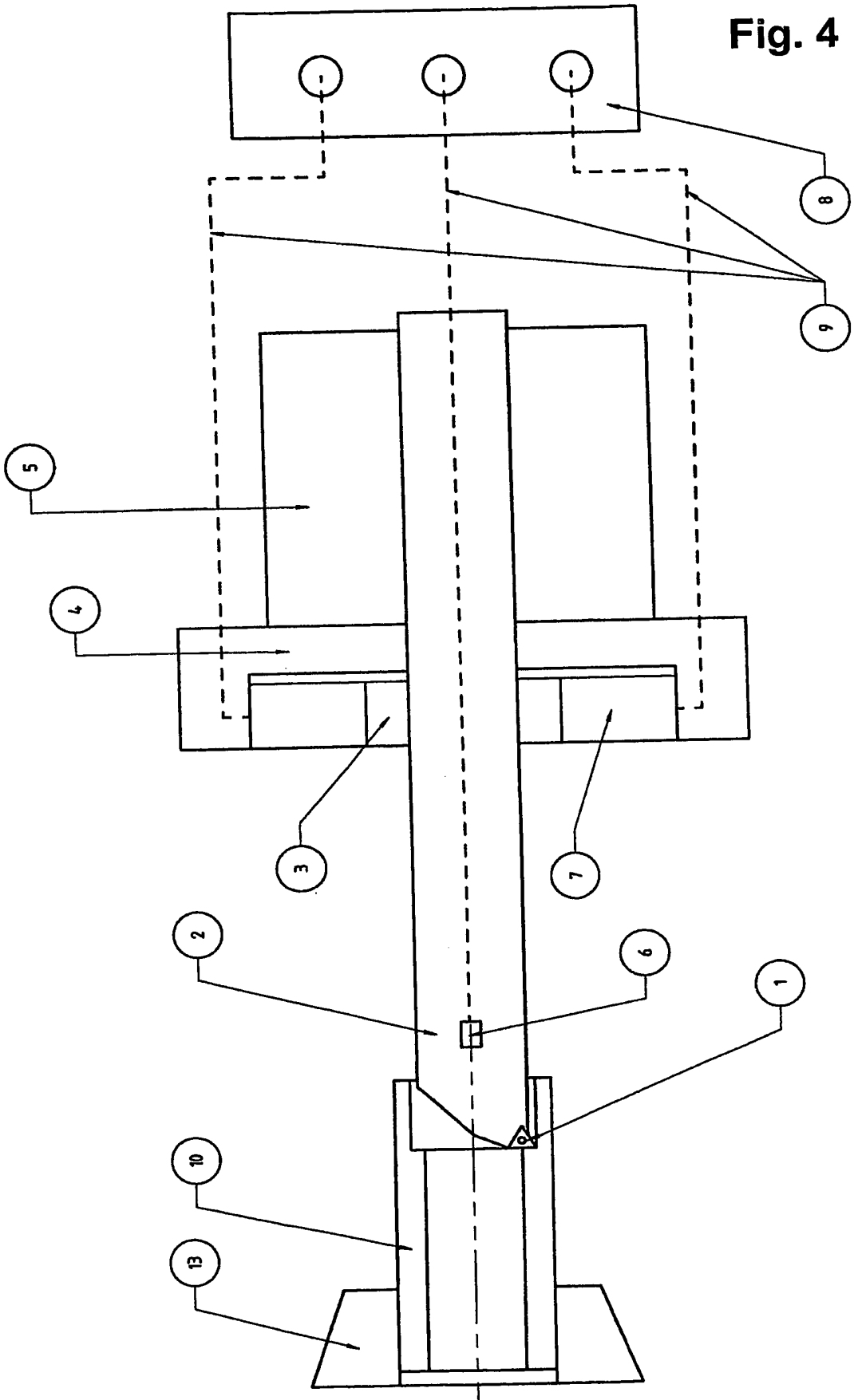

Fig. 5

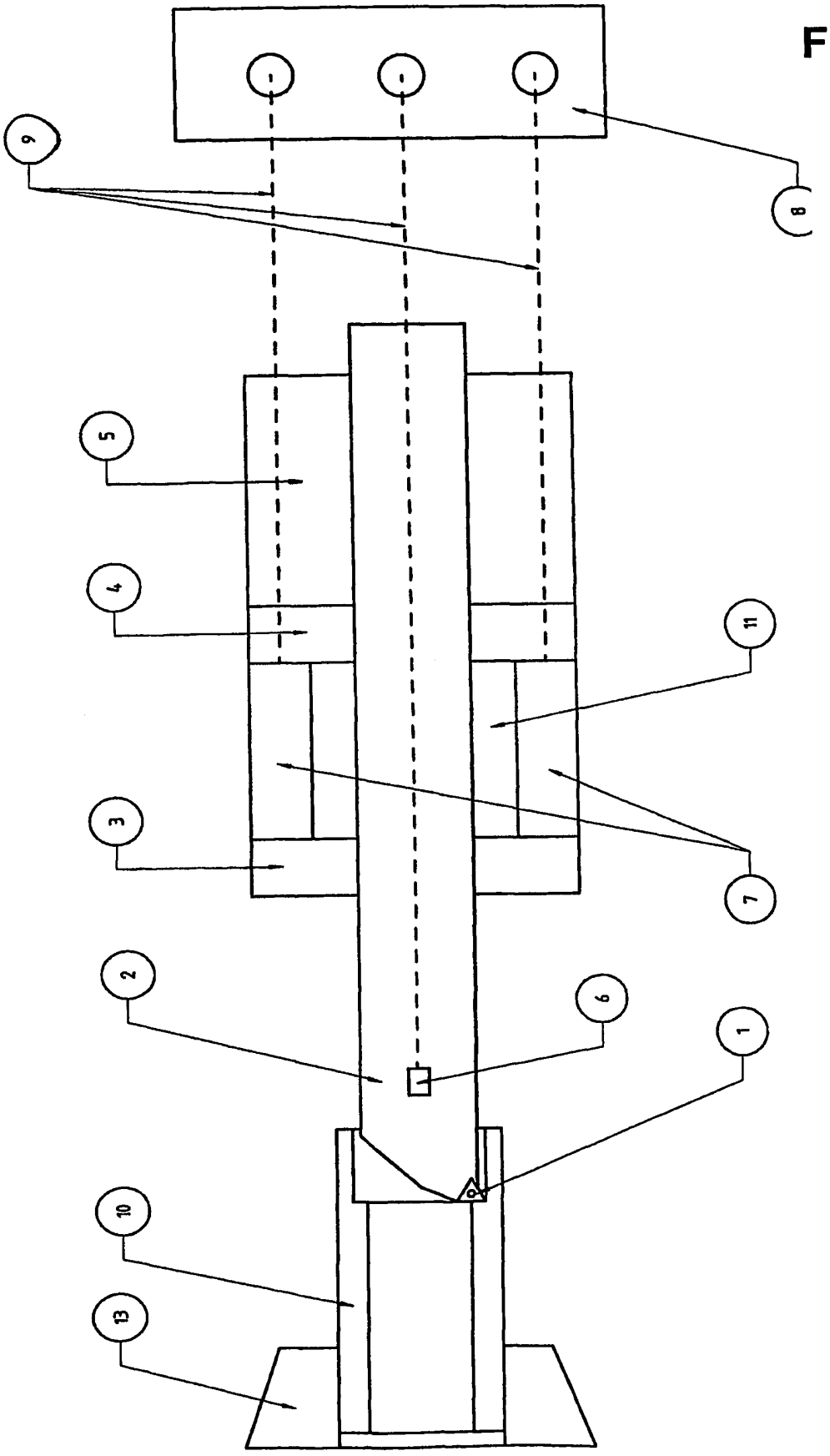

Fig. 6

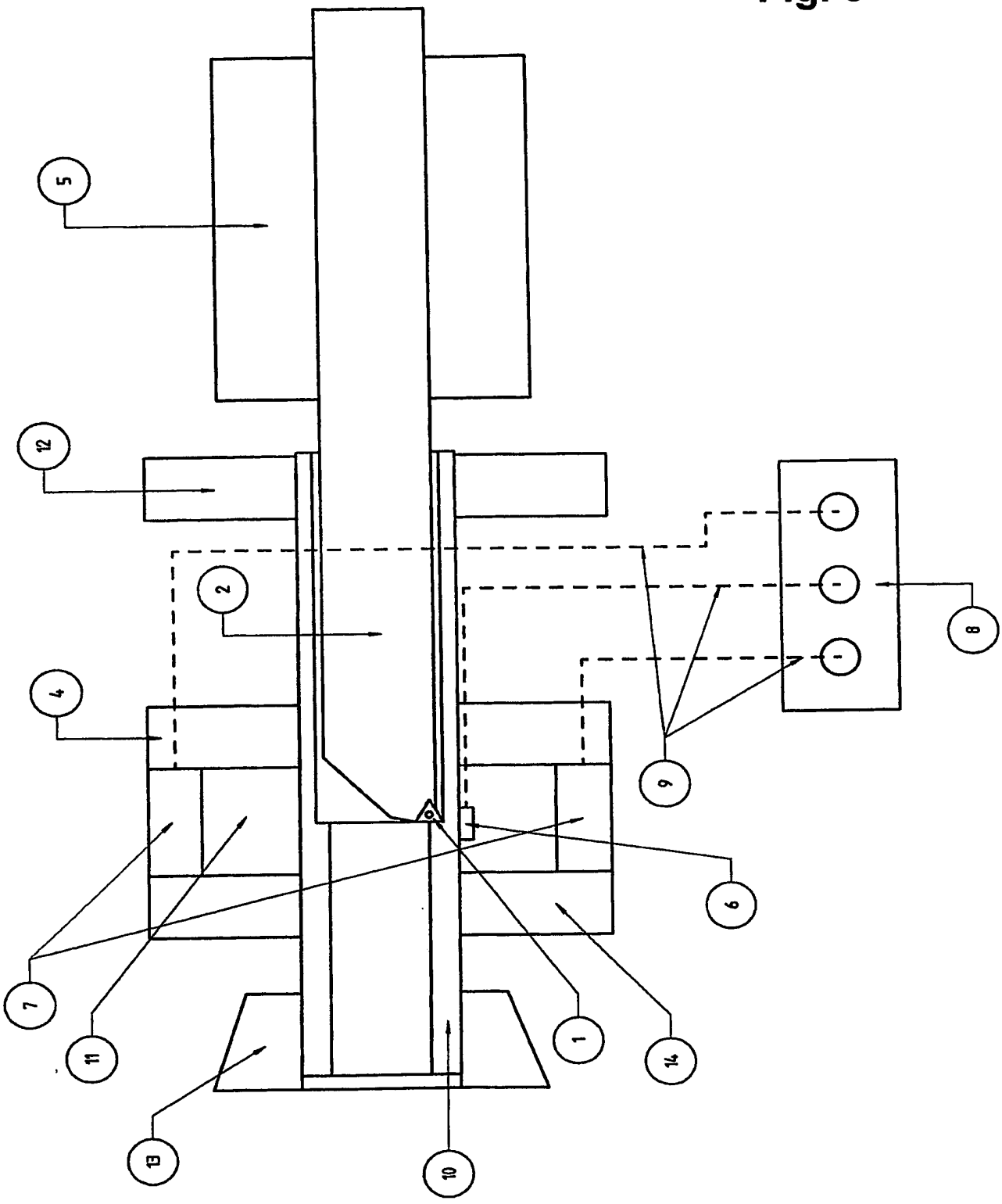
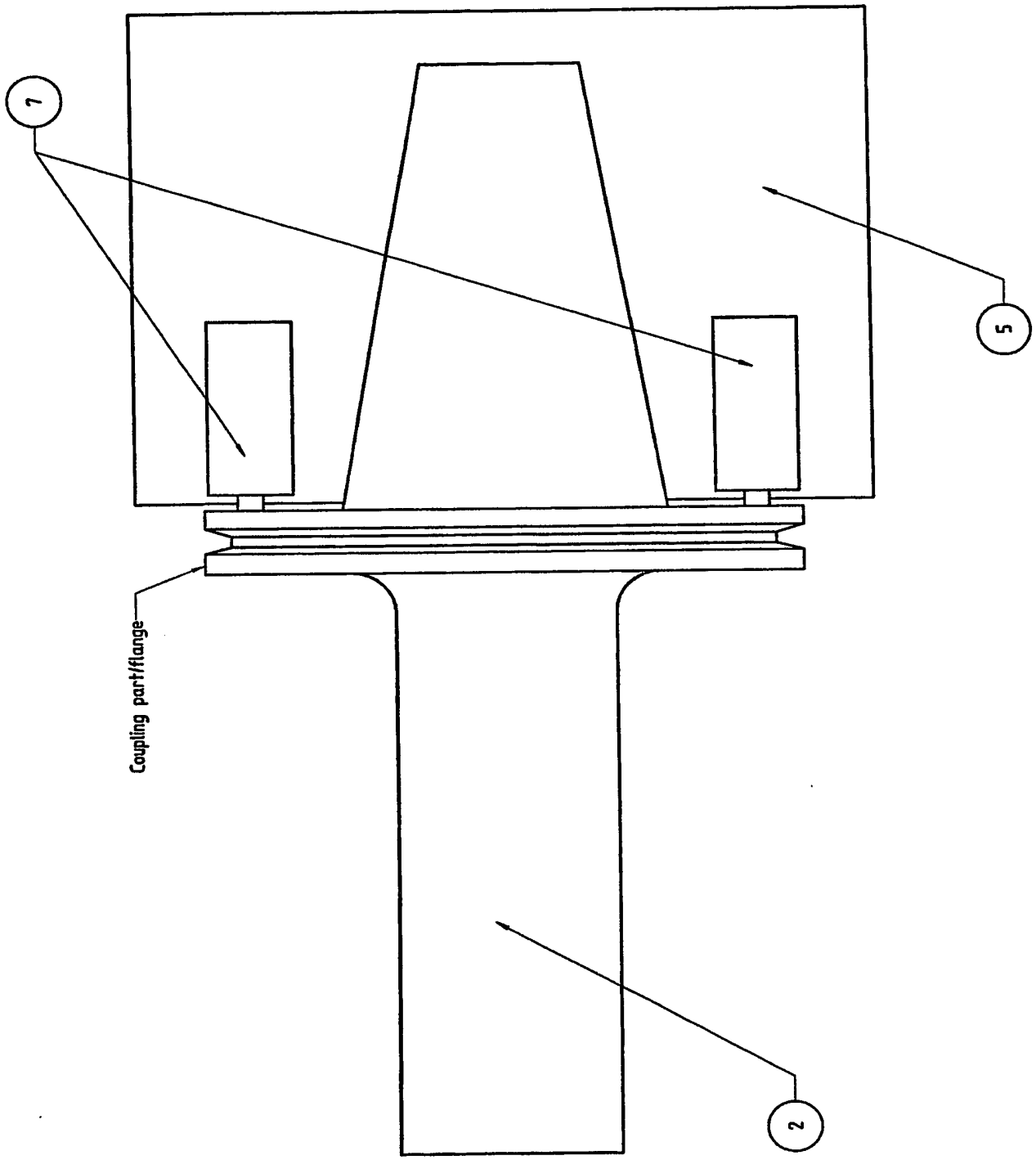
Fig. 7